

Fig. 1

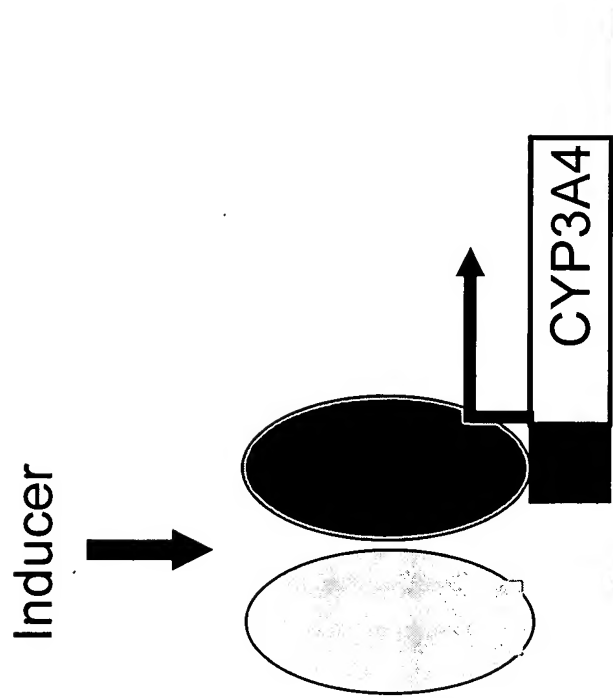


Fig. 2

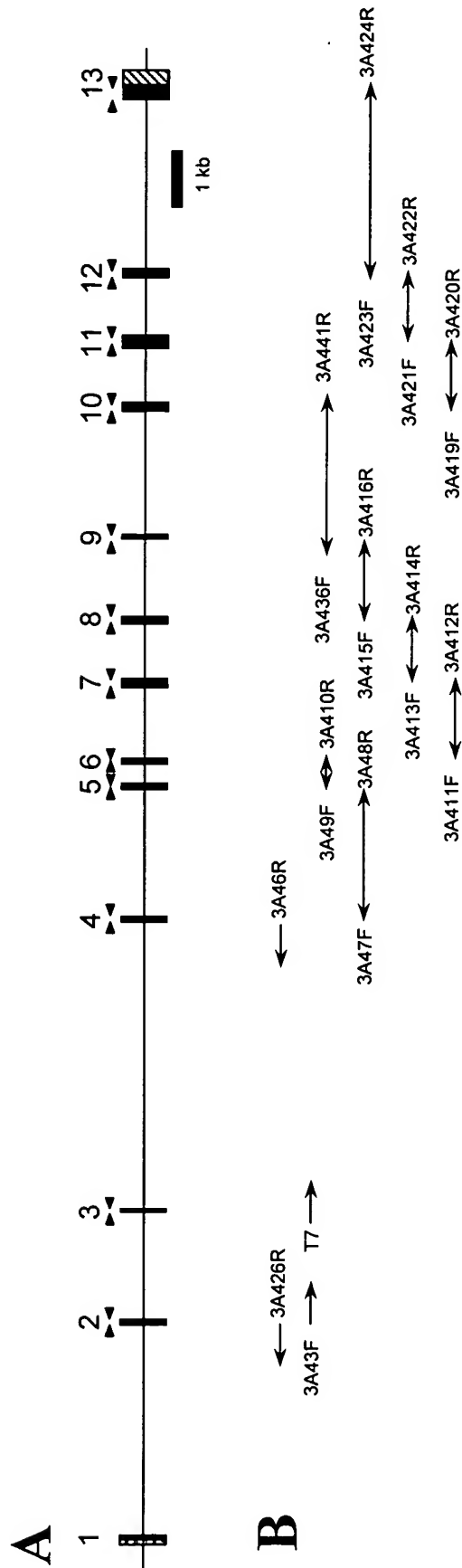
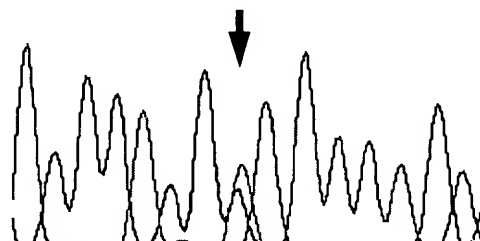


Fig. 3

CYP3A4 polymorphisms

Exon 3 (G6004A; Gly56Asp)

T C C C A G G N C T T T T G T

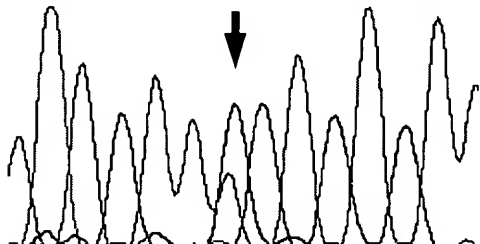


wt/mut

Oligonucleotide 3A450F (forwards)

Intron 7 (T→G)

T A T C T T G C T C T C T T

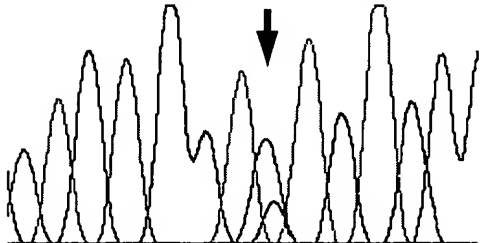


wt/mut

Oligonucleotide 3A433F (forwards)

A CYP3A7 exon 11 polymorphism (C1229G; Thr409Arg)

T A C T G G A C A G A G C C



wt/mut

Oligonucleotide 3A742F (forwards)

Fig. 4

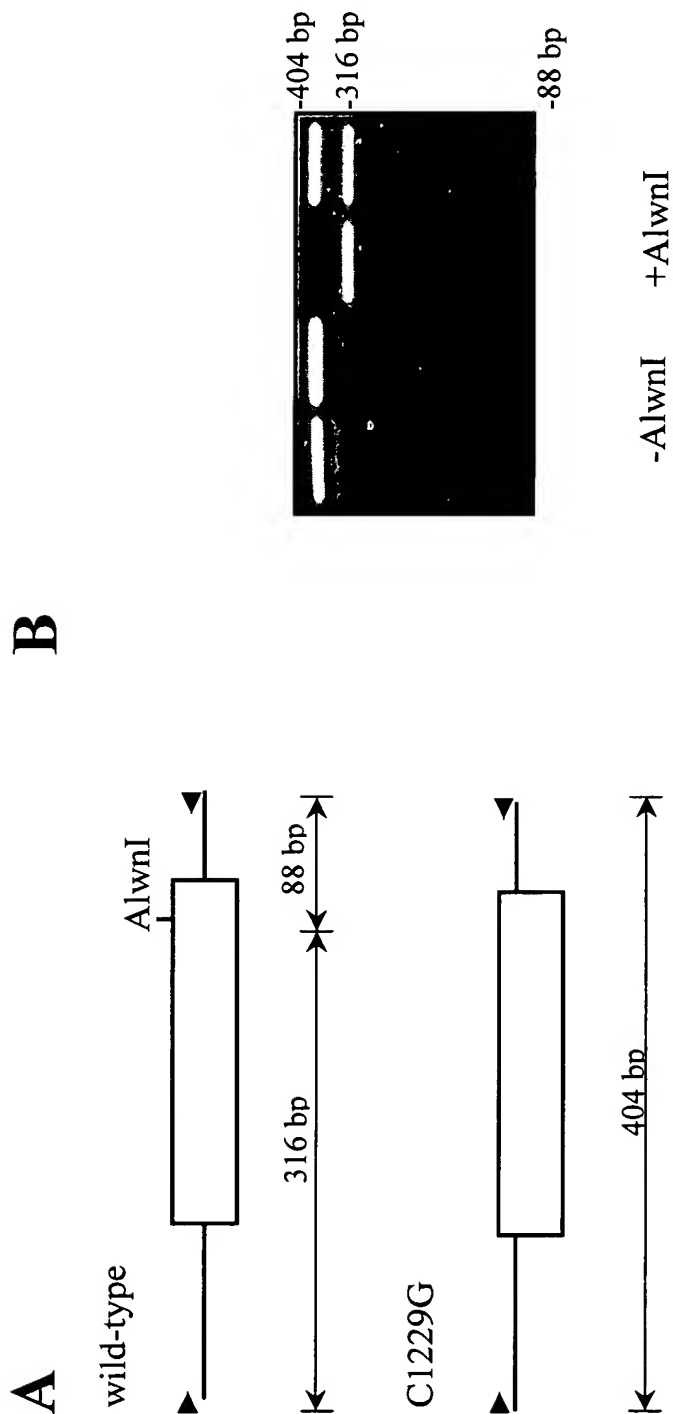


Fig. 5

CYP3A4

Exon 3 (g.6004G>A, G56D)

CCTCTAACTGCCAGCAAGTCTGATTTTCATTGGCTTCGACTGTTTTCAT→CCCCAATTAGAGGCAG
GGTTAAGTACATTAAAAATAATAATCAAATATTATTTGTTTCTCCTCCCAGGG→ACTTTTGTATGT
TTGACATGGAATGTCATAAAAAGTATGGAAAAGTGTGGGGGTGAGTATTCTGGAAACTTCATT
GGATAGACTTGTCTATGATGAGTTTACCCCACTGCACAGAGGACAGTCTCAGCCC

Exon 4 (Primer 3A4-52F and 3A4-37R)

AGTCTGGCTTCCTGGGTTGGGCTCCAGCTGTAGAATAAGGCTGTTGATGTTTAA
TCAACTCTGTTTTTTTACACACAGCTTTTATGATGGTCAACAGCCTGTGCTGGCTA
TCACAGATCCTGACATGATCAAAACAGTGCTAGTGAAAGAATGTTATTCTGTCT
TCACAAACCGGAGGGTAAGCATTGATGTTGAAATTAATACTGATTGATTAA
ATTTATATTTTGAAATTCTTATATATTCATAGACAGTTGCCTAAAAAATGTCCAGG
AAGGTTCCACGTCCACTTC

Exon 5

CTACAACCATGGAGACCTCCACAACCTGATGTAGGACAAAATGTTTCTGCTTTGAA
CTCTAGCCTTTTGGTCCAGTGGGATTTATGAAAAGTGCCATCTCTATAGCTGAG
GATGAAGAATGGAAGAGATTACGATCATTGCTGTCTCCAACCTTCACCAAGTGG
AAAACCTCAAGGAGGTATGAAAATAACATGAGTTTAAATAAGAACTTAAAGAATG
AATCTGGTGGGGACAGGTA

Exon 7 (g.15753T>G)

GTCTGTCTTGACTGGACATGTGGCTTTCTGATGCACGCATAGAGGAAGGATGG
TAAAAAGGTGCTGATTTTAATTTTCCACATCTTTCTCCACTCAGCGTCTTTGGGG
CCTACAGCATGGATGTGATCACTAGCACATCATTGAGTGAACATCGACTCT
CTCAACAATCCACAAGACCCCTTTGTGGAAAACACCAAGAAGCTTTTAAGATT
TGATTTTTTTGGATCCATTCTTTCTCTCAATAAGTATGTGGACTACTATTTCTTTT
ATTTATCTTT→GCTCTCTTAAAAATAACTGCTTTATTGAGATATAAATCACCATGT
AATTCATCCACTTAAATATACAGTTCAGTGATTTGTAGTACATTTGAAGATATGT
GTGACCATCATC

Exon 9

GGAGATCAAGGACCACGCTTGATTTACTTCTGACTTCAGGAGCCACTTTCTG
TCAGTGAAATTTCTCTTTTTGCTTCTAGCACCGAGTGGATTTCTTCAGCTGATG
ATTGACTCTCAGAATTCAAAGAACTGAGTCCCACAAAGGTAACCAGAGTGT
TTCTGAGGGCTACTTGTGGGGCACTCAGAGGGAAGGCCTTGTTCTGAAAATGTG
CAGGAAGTATTCCAGGATGATGAG

CYP3A7

Exon 11 (C1229G Thr409Arg polymorphism)

CCAGTATGAGTTGTTCTCTGGAACCTCTAACAGTTCAACAGTACTACATGGACTG
AGTTAAAAGTTAATTCAAAAATCTCAATTTATCCAAATCTGTTTCTTTCTTTTCAGG
CACCACCCACCTATGATACTGTGCTACAGTTGGAGTATCTTGACATGGTGGTG

Fig. 6

AATGAAACACTCAGATTATTCCCAGTTGCTATGAGACTTGAGAGGGTCTGCAA
AAAAGATGTTGAAATCAATGGGATGTTTATTCCCAAAGGGGTGGTGGTGATGA
TTCCAAGCTATGTTCTTCATCATGACCCAAAGTACTGGAC→GAGAGCCTGAGA
AGTTCCTCCCTGAAAGGTAGGAGGGCCCCTGGGAAGGGAGCCCTCCCTGAACC
AGCCTGGTTCAAGCATATTCTGCCT

CYP3A4

Exon 4 (Primers 3A4-52F and 3A4-100R)

AGTCTGGCTTCCTGGGTTGGGCTCCAGCTGTAGAATAAGGCTGTTGATGTTTAA
TCAACTCTGTTTTTTTACACACAGCTTTTATGATGGTCAACAGCCTGTGCTGGCTA
TCACAGATCCTGACATGATCAAAACAGTGCTAGTGAAAGAATGTTATTCTGTCT
TCACAAACCGGAGGGTAAGCATTGATGTGTTGAAATTAAATACTGATTGATTAA
ATTTATATTTTGAAATTCTTATATATTCATAGACAGTTGCCTAAAAAATGTCCAGG
AAGGTTCCACGTCCTCACTTCATCCTGTCCCC

Exon 5 (g.13908G>A, R130Q)

CTACAACCATGGAGACCTCCACAACCTGATGTAGGACAAAATGTTTCTGCTTTGAA
CTCTAGCCTTTTGGTCCAGTGGGATTTATGAAAAGTGCCATCTCTATAGCTGAG
GATGAAGAATGGAAGAGATTACG→AATCATTGCTGTCTCCAACCTTCACCAGT
GGAAAACCTCAAGGAGGTATGAAAATAACATGAGTTTAAATAAGAACTTAAAGA
ATGAATCTGGTGGGGACAGGTA

Exon 6 (g.14292G>A, V170I; g.14304G>C, D174H; g.14323C>T; g.14329G>T; g.14357T>G)

CCCTTTCCAAGGGGTAGTCCACTGAATTTGAGCTGCCTAAAAATGGTCTTTTATC
TTTATGTACAGAAAACACATCACAAAATTCATTATAAAATGTCACCTTACTGCTCCA
TGCTGGGGAAAGCCATGTCTTCTGGGACTAGAGTCTGCACATTTAACTATGGG
TGGTGTGTGTTTTGTGCTTAGATGGTCCCTATCATTGCCCAGTATGGAGATGT
GTTGGTGAGAAATCTGAGGCGGGAAGCAGAGACAGGCAAGCCTG→ATCACC
TTGAAAG→CAGTAAGTAGAAGCGCAGCC→TATGGGG→TTTCTGAGCTGTCAT
GAACCCCTCCAGCT→GGCCTGCCATGGAGCTGATATTCCTGCTGTTGGGTTAT
TCCAGTGACCAGAC

Exon10 (g.20230G>A)

CCCAGTGTACCTCTGAATTGCTTTTCTATTCTTTTCCCTTAGGGATTTGAGGGCT
TCACTTAGATTTCTCTTCATCTAAACTGTGATGCCCTACATTGATCTGATTTACCT
AAAATGTCTTTCCTCTCCTTTCAGCTCTGTCCGATCTGGAGCTCGTGGCCCAAT
CAATTATCTTTATTTTTGCTGGCTATGAAACCACGAGCAGTGTTCTCTCCTTCAT
TATGTATGAACTGGCCACTCACCTGATGTCCAGCAGAACTGCAGGAGGAA
ATTGATGCAGTTTTACCCAATAAGGTGAGTGGATGG→ATACATGGAGAAGGAG
GGAGGAGGTGAAACCTTAGCAAAAATGCCTCCTCACCCTTCCCAGGAGAATTT
TTATAAAAAGCATAATCACTGATTCTTTCCTGACTCTATGTAGGAAGGCTCTG

Fig. 6 cont.

Exon 11 (g.21867C>T, T363M; g.21868G>A; g.21896C>T, L373F; g.22026C>T, P416L; g.22041C>T;)

CAGTATGAGTTAGTCTCTGGAGCTCCTAATACTTCATTAGTACTGCATGGACTGA
GTAAAAAGTTAATTCAAATCTCAATTTATCCAAATCTGTTTCGTTCTTTCCAGGC
ACCACCCACCTATGATACTGTGCTACAGATGGAGTATCTTGACATGGTGGTGA
ATGAAAC→TG→ACTCAGATTATTCCCAATTGCTATGAGAC→TTTGAGAGGGT
CTGCAAAAAAGATGTTGAGATCAATGGGATGTTCAATCCCAAAGGGGTGGTGG
TGATGATTCCAAGCTATGCTCTTCACCGTGACCCAAAGTACTGGACAGAGCCT
GAGAAGTTCCTCCC→TTGAAAGGTACAAGGC→TCCCTGGGAAGGGAGCCCTC
CCTGAACCAGCCTGGTTCAAGCATATTCTGCCTCTCTTAATCTACAGGACAGTCA
TGTGGTTGTATAATTATTTGCTTGTATTTTTATTTAGAGATTTTTTTAATCATCA
AATTGATTATTGTCACACTTTACAAACCATAGACTAGAAAAAAGAAAACCTACAGTC
ATCCACAATTCCAACAACCTTACGATGAAGGTCATCAGTTATG

Exon 12 (g.23081C>T)

CCTGTGTACTACTAGTTGAGGG*GTGGCCCCTAAGTAAGAAACCCTAACATGTAA
CTCTTAGGGGTATTATGTCATTAACCTTTTTAAAAATCTACCAAC→TGTGGAACCA
GATTCAGCAAGAAGAACAAGGACAACATAGATCCTTACATATACACACCCTTT
GGAAGTGGACCCAGAAACTGCATTGGCATGAGGTTTGCTCTCATGAACATGAA
ACTTGCTCTAATCAGAGTCCTTCAGAACTTCTCCTTCAAACCTTGTAAGAAAC
ACAGGTTAGTCAATTTTCTATAAAAATAATGTTGTATTAATAATTCTTTTAACTGA
GTGGTCTGTATTTTTTAAAAAGAATATGCTTGTTTAATCTTTTACTAATTTGTTCTC
TGGGCCAAAGAATCAATTAGGCCCATCTGTG

* this oligonucleotide used for genotyping differs from the genomic sequence at the positions shown in italics

Exon 13 (g.25925C>T; g.25958T>G)

GGAGTGTCTCACTCACTTTGATGCTATACTTTCTACTTTTGTTTATTTAATGCTTC
TCAATATGCTTGTTTAACTGTTGCAGATCCCCCTGAAATTAAGCTTAGGAGGAC
TTCTTCAACCAGAAAAACCCGTTGTTCTAAAGGTTGAGTCAAGGGATGGCAC
→TGTAAGTGGAGCCTGAATTTTCCTAAGGACTTCT→GGCTTTGCTCTTCAAGAA
ATCTGTGCCTGAGAACACCAGAGACCTCAAATTACTTTGTGAATAGAAGTCTGAA
ATGAAGATGGGCTTCATCCA

Fig. 6 cont.

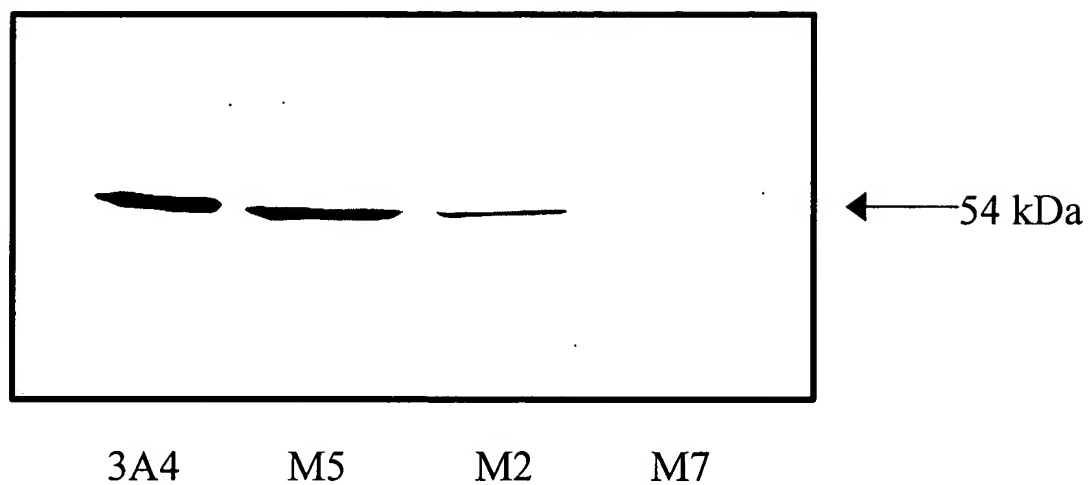


Fig. 7